



School of

Engineering

EGR
Mercer University

Syllabus for *BME, ECE, EVE, IDM, ISE, MAE 488, ECE 488*
Engineering Design Exhibit II
Spring Semester 2015
Tuesday, Thursday 3:05 – 5:45 PM
Room SEB 110

Instructors: Dr. Richard Kunz, Associate Professor
Department of Mechanical Engineering

Dr. James Wright, Adjunct Professor
School of Engineering

Office: **Dr. Kunz**
EGC 105-F

Dr. Wright
By appointment only

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Website: http://faculty.mercer.edu/kunz_rk

Textbooks and Supplies:

Required: None
Recommended: None

Catalog Description:

Continuation of Engineering Design Exhibit I. Multi-disciplinary design projects with substantial specialty-specific content. Small groups design, build, and test realistic engineering systems under faculty supervision. Projects include safety, economic, environmental, and ethical considerations and require written and oral reports.

Course Objectives Upon successful completion of this course, you should be able to do the following:

- Work in teams
- Develop solutions to complex problems
- Prototype design realizations
- Develop and execute test plans
- Analyze test results
- Communicate effectively to technical and general audiences in both written and oral forms

Prerequisites: : BME, ECE, EVE, IDM, ISE, MAE 487, or ECE 485

Refer to your *Guide for XXX 487/488* for all other course details..

Course Grading

Critical Design Review	
Written	45%
Oral	25%
Professionalism: responsiveness to client, instructors, technical advisors, and fellow design team members	25%
Poster for Engineering Expo	5%
Final Exam (completed peer/self-evaluation)	-5% or 0%

Course Standards:

1. **Assignments are due on the specified date no later than the specified time.** Significant grade penalties will be imposed for late assignments.
2. **Attendance is required at all class and management meetings.** Unexcused absences will result in grade significant penalties.
3. **Grading** encompasses every aspect of the course, from participation through final products. You can assume that every task requested directly or indirectly factors into your grade. For example, **having your work prepared for your group is as important as having it ready for me.** Regular feedback will be given on documents handed in.
4. You are encouraged to schedule a **conference** at any point that you need it.
5. Please turn off or mute cell phones and other forms of electronic communication before entering the classroom.
6. The **honor code** provisions as outlined in the *Bulletin* and in the student handbook, *The Lair*, will be assumed for everyone. It should be clear from class discussion which projects will be collaborative and which ones must be individual. When in doubt, please ask to avoid potentially embarrassing situations. Plagiarism is a violation of the honor code and is prohibited.
7. Students requiring accommodations or modifications for a disability should inform the instructor at the close of the first class meeting or as soon as possible. The instructor will refer you to the ACCESS and Accommodation Office to document your disability, determine eligibility for accommodations under the ADA/Section 504 and to request a Faculty Accommodation Form. Disability accommodations or status will not be indicated on academic transcripts. In order to receive accommodations in a class, students with sensory, learning, psychological, physical or medical disabilities must provide their instructor with a Faculty Accommodation Form to sign. Students must return the signed form to the ACCESS Coordinator. A new form must be requested each semester. Students with a history of a disability perceived as having a disability or with a current disability who does not wish to use academic accommodations are also strongly encouraged to register with the ACCESS and Accommodation Office and request a Faculty Accommodation Form each semester. For further information, please contact Carole Burrowbridge, Director and ADA/504 Coordinator, at 301-2778 or visit the ACCESS and Accommodation Office website at <http://www.mercer.edu/disabilityservices>
8. Any modifications to the syllabus or course schedule will be announced via email.

Electronic Communication:

Electronic communication is an important adjunct to face-to-face communication, including from professor to students, students to professor, and students to students. You must have regular access to your e-mail. Students are required to use their Mercer assigned e-mail address for all electronic communication. Access to the Web and to the Internet is also integral to the class work. A number of laboratories on campus will provide access.

Georgia Engineering Foundation Award: The senior design project judged as “best” by the School of Engineering faculty will receive an award at the Mercer University Awards Day Ceremony at the end of the school year which may be accompanied by a cash prize from the G.E.F.